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New chlorophyll molecules arising in the process of pigment renewal are not immediately mixed with the old, and differ from them in their physico-chemical properties. Consequently chlorophyll in different forms participates differently in metabolism. An expecially clear metabolic heterogeneity is registered in experiments with short-time $C^{14}O_2$ assimilation by green plants by an increased specific activity of that pigment (Biological Sciences--Biochemistry, TT, v. 10, no. 11)
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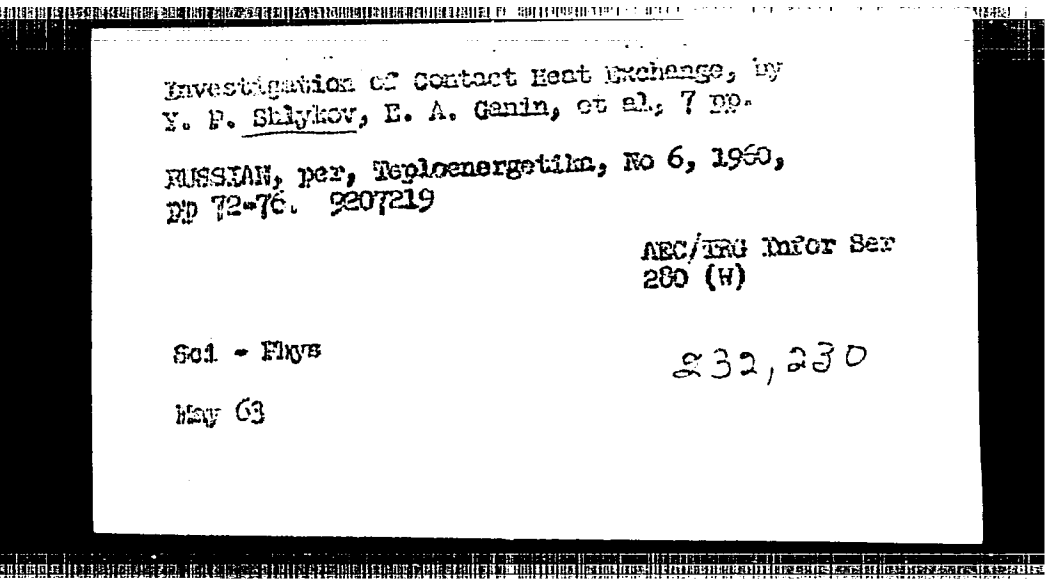

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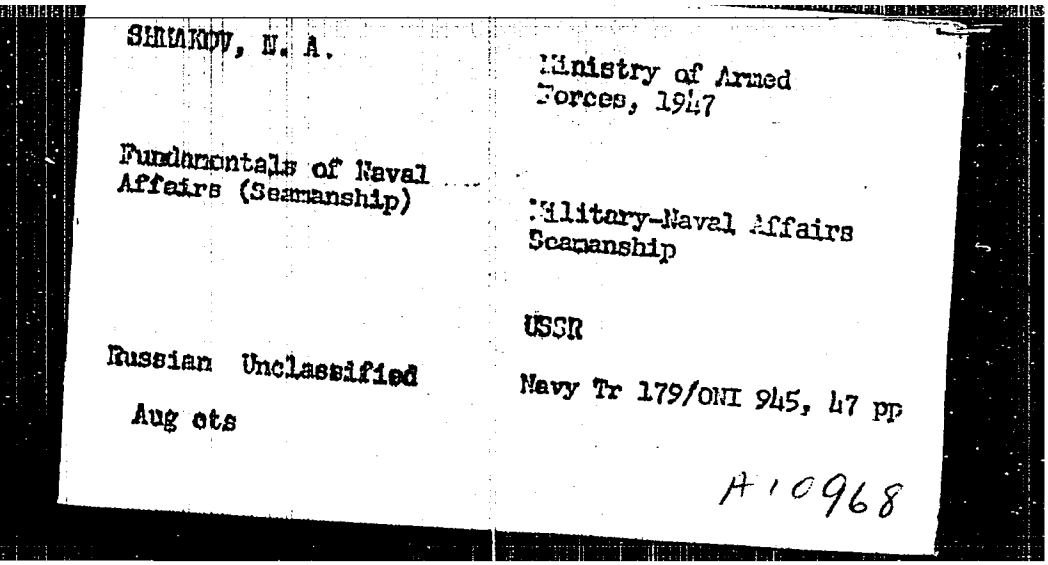

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Trans. of [Akademiya Nauk SSSR]. Institut Teoreticheskoi Astronomii. Byulleten', 1958, v. 7, no. 1(84) p. 72-75. (Abstract available)

DESCRIPTORS: *Numerical methods and procedures, Analytic geometry, *Circular orbit trajectories, *Orbital trajectories, *Asteroids, Celestial mechanics.

A method is proposed for determining the radius of the circular orbit which is based on the replacement of the condition of the circular orbit $v_2 - v_1 = kn^{-3/2}(t_2 - t_1)$ by the approximate equality $\gamma = kn^{-3/2}(t_2 - t_1)$, where γ is the known angle between the geocentric directions. The value of the radius found from this condition is either a good first approximation, or (in the majority of cases) its final value. (Author)

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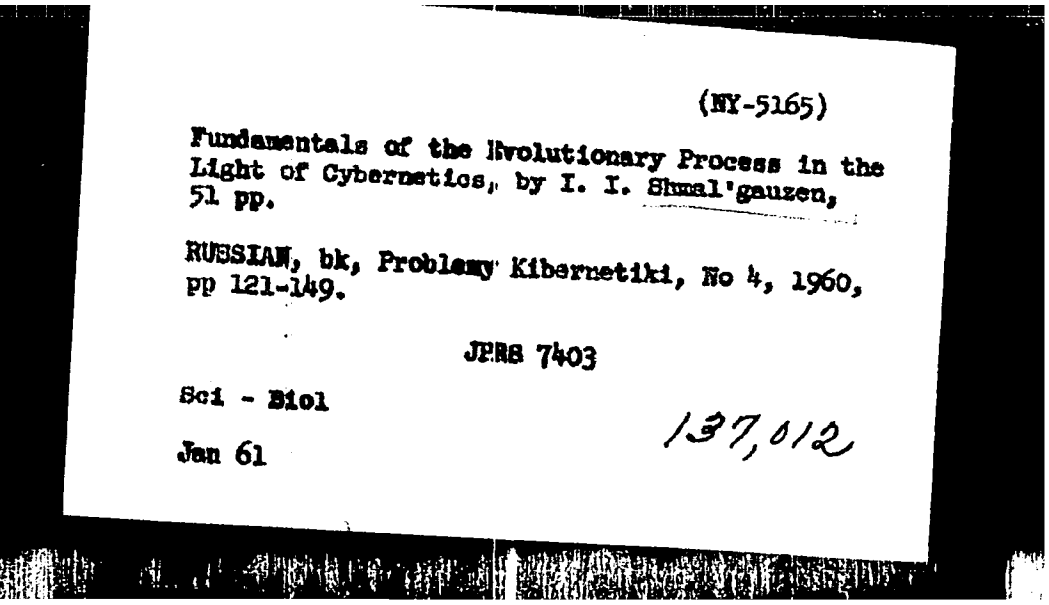

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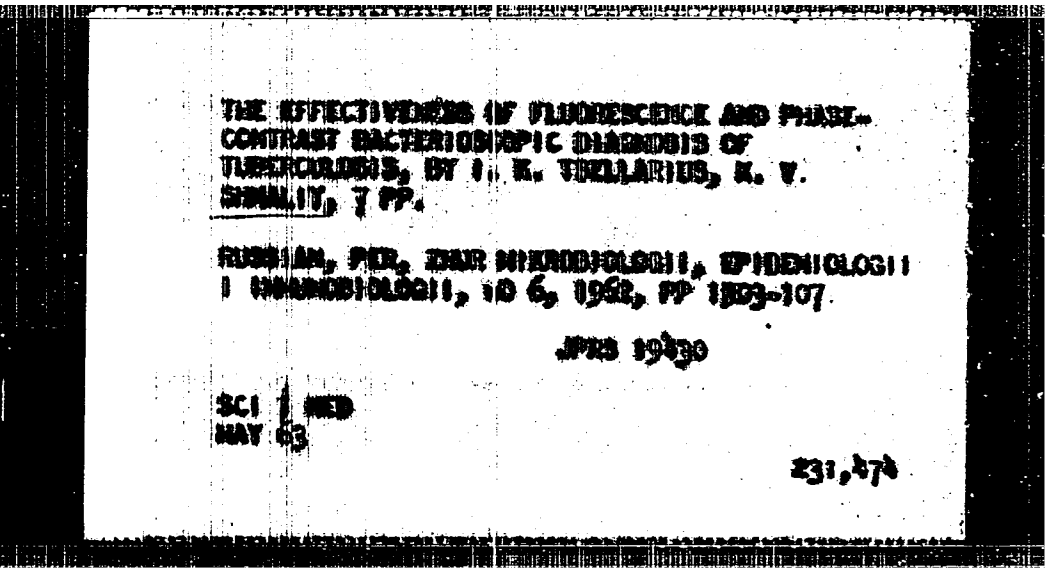

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